Nokia Asha web apps - Swipe Events

This article shows how to write a Series 40 web app that uses a left swip on the screen to cycle through a set of images. It uses the mwl.addSwipeLeftListener() method to listen for swipe events, and then uses mwl.setGroupNext() to display the next image in the set.

Swipe Event

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About Ovi browser event support

OVI browser supports standard HTML DOM events along with series of *synthetic* DOM events to support some gestures and keypad events. These events act just like standard events.

```
<static> mwl.add<Event>Listener(targetNode,listener)
```

Where *targetNode* is the selector of the node to which to add an event/listener and *listener* is the statement/ command(s) to run when the event fires. The methods given below are for registering the synthetic events.

Methods for touch navigation

- addSwipeLeftListener
- addSwipeRightListener
- addSwipeUpListener
- addSwipeDownListener

Method for keypad navigation

- addNavLeftListener
- addNavRightListener
- addNavUpListener
- addNavDownListener

Method for presses on the display

- addLongPressListener

Note: The code for registering a synthetic event must be in a specific location in the HTML file. It has to be at the very end of the page body (immediately before the **</body>** tag).

Implementation

Lets create a basic web app project (File->New-> Series 40 web app (wgt) -> basic web app project)

basic.css

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```
.hide { display: none;  }
.show { display: block;  }
.item { text-align: center;  }
```

The *hide* and *show* classes are to hide and show the particular *div* and item class is to make the content in the center of the *div*.

index.html

```
<body onload="javascript:init();">
    <div class="item" > <h1>Swipe left to change picture</h1></div>
    <div id="group" >
        <div class="show item"> <img src="1.jpeg"/> </div>
        <div class="hide item"> <img src="2.jpeg"/> </div>
        <div class="hide item"> <img src="3.jpeg"/> </div>
        <div class="hide item"> <img src="4.jpeg"/> </div>
        <div class="hide item"> <img src="5.jpeg"/> </div>
    </div>
<script type="text/javascript"> mwl.addSwipeLeftListener('#group',
"mwl.setGroupNext('#group', 'show', 'hide', 'next')");
</script>
</body>
```

We have taken five *div* where the first one is visible initially and thus displays an image. When a user swipes left the `addSwipeLeftListener()` method is called. This in turn executes the function `setGroupNext()` which iterates to the next element in a given block and displays its image.

Source Code

The full source code presented in this article is available here: File:SwipePictureS40WebApps.zip

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